Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

AH 6809

Catalog No: tcsc1549

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
33458-93-4

Formula:
$C_{17}H_{14}O_5$

Pathway:
GPCR/G Protein

Target:
Prostaglandin Receptor

Purity / Grade:
>98%

Solubility:
H2O :

Observed Molecular Weight:
298.29

Product Description

AH 6809 is an EP and DP receptor antagonist with nearly equal affinity for the cloned human EP1, EP2, EP3-III, and DP1 receptors.

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IC50 Value: ~3 nM (EC50 for calcium mobilization by PGE2) [1]

Target: EP/DP receptor

in vitro: AH6809also antagonized the aggregatory effect of U-46619 in whole blood (pA2 = 4.45). However, concentrations of AH6809 up to 300 microM were without effect upon either ADP- or platelet activating factor (Paf)-induced aggregation (pA2 less than 3.5) [2]. Preincubation of control cells in 10(-4) M concentrations of AH6809 inhibited PGE2-induced activation of AC by greater than 80% without significant (P greater than .05) inhibition of basal activity by the antagonist [3].

in vivo: Exposure to a selective COX-2 inhibitor (SC58125) or an EP1/EP2 antagonist (AH6809), but not an EP4 antagonist (AH23848B), significantly reduced cell proliferation of esophageal explants in 24 hour-organ culture experiments [4]. Oral administration of the EP1 receptor antagonist, AH6809 (10 mg/kg/day, for 4 days), significantly reduced the systolic blood pressure in db/db, but not in control mice [5].